



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090128-C

**Mode:** Highway

**Status:** Submitted

### US-70

**From/Cross Street:** US 70 East of NC 58

**Specific Improvement Type:** 2 - Upgrade Arterial to Freeway/Expressway

**To:** Existing Freeway near Dover

**Project Category:** Statewide Mobility

**Length:** 6.16

**TIP#:** R-2553

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$59,129,000

#### Description:

Upgrade Roadway to Freeway.

**Division(s):** Division 2

**County(s):** JONES, LENOIR

**MPOS(s)/RPO(s):** Down East RPO, East Carolina RPO

### Project Location



**Statewide Mobility Total Score: 11.25**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 14.51 Safety (10%) 45.50 Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 11.76 [Travel Time] Benefit/Cost (30%) 0.00	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 11.25</b>		

**Regional Impact Total Score: 23.77**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 45.50 Multimodal + [Freight & Military] (25%) 11.76 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 15% Points: 0	Percent: 15% Points: 63
<b>Totals: Weight: 70% Weighted Score: 14.32</b>		

**Division Needs Total Score: 13.18**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 14.51 Safety (20%) 45.50 Multimodal + [Freight & Military] (10%) 11.76	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 13.18</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	70
Length (miles):	6.16
Facility Type:	Freeway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11866.21
Capacity:	72945.43
Volume/Capacity Ratio:	0.16
% Autos:	87%
% Trucks:	13%
Truck Volume:	1539.14
Crash Density:	42.64
Crash Severity:	49.05
Critical Crash Rate:	44.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	30
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	95
Actual Congested Speed:	58
Travel Time Index:	1.21

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	6.16
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 2

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 2	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Down East RPO	63%	63	0
East Carolina RPO	37%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>63</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$59,129,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$59,129,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$59,129,000</b>	